

## ABSTRACT

Weights are not calculated by using signals of the preamble section in a random access channel (RACH), but signals of the preamble section of the RACH are received  
5 by an adaptive array antenna (AAA) with a plurality of directivity patterns using the existing weights, delay profiles are prepared for respective directivity patterns, and the preamble section and despreading timing are detected by using the delay profiles. Further, the  
10 invention is featured in that a control signal in an acquisition indication channel (AICH) is received by the AAA with a directivity pattern that is selected when receiving the signals of preamble section of the RACH by the AAA.

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